

FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/587,156		ATTY. DOCKET NO.: H0498.70219US02			
				FILING DATE: May 16, 2007		CONFIRMATION NO.: 4991			
				APPLICANT: Vincent Linder et al.					
				GROUP ART UNIT: 1641		EXAMINER: N. C. Yang			
Sheet		of							

U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		3,735,640		Chizhov et al.	03-29-1973
		4,318,994		Meyer et al.	03-09-1982
		4,963,498		Hillman et al.	10-16-1990
		5,051,237		Grenner et al.	09-24-1991
		5,219,762		Katamine et al.	06-15-1993
		5,286,454		Nilsson et al.	02-15-1994
		5,376,252		Ekström et al.	12-27-1994
		5,478,751		Oosta et al.	12-26-1995
		5,486,335		Wilding et al.	01-23-1996
		5,571,410		Swedberg et al.	11-05-1996
		5,635,358		Wilding et al.	06-03-1997
		5,637,469		Wilding et al.	06-10-1997
		5,726,026		Wilding et al.	03-10-1998
		5,731,212		Gavin et al.	03-24-1998
		5,866,345		Wilding et al.	02-02-1999
		5,876,675		Kennedy	02-02-1999
		5,942,443		Parce et al.	08-24-1999
		5,957,579		Kopf-Sill et al.	09-28-1999
		5,955,028		Chow	09-21-1999
		6,019,944		Buechler	02/01/2000
		6,042,709		Parce et al.	03-28-2000
		6,046,056		Parce et al.	04-04-2000
		6,103,199		Bjornson et al.	08-15-2000
		6,136,272		Weigl et al.	10-24-2000
		6,146,489		Wirth	11-14-2000
		6,146,589		Chandler	11-14-2000
		6,168,948	B1	Anderson et al.	01-02-2001
		6,176,962	B1	Soane et al.	01-23-2001
		6,184,029		Wilding, et al.	02-06-2001
		6,186,660	B1	Kopf-Sill, et al.	02-13-2001
		6,214,560	B1	Yguerabide et al.	04-10-2001
		6,238,538	B1	Parce et al.	05-29-2001
		6,241,560	B1	Furusawa et al.	06-05-2001
		6,251,343	B1	Dubrow et al.	06-26-2001
		6,274,337	B1	Parce et al.	08-14-2001
		6,333,200	B1	Kaler et al.	12-25-2001
		6,296,020	B1	McNeely et al.	10-02-2001

	6,361,958	B1	Shieh et al.	03-26-2002
	6,413,782	B1	Parce et al.	07-02-2002
	6,416,642	B1	Alajoki et al.	07-09-2002
	6,429,025	B1	Parce et al.	08-06-2002
	6,432,720	B2	Chow	08-13-2002
	6,479,299	B1	Parce et al.	11-12-2002
	6,488,872	B1	Beebe et al.	12-03-2002
	6,488,896	B2	Weigl et al.	12-03-2002
	6,551,841	B1	Wilding et al.	04-22-2003
	6,610,499		Fulwyler, et al.	08-26-2003
	6,613,512	B1	Kopf-Sill et al.	09-02-2003
	6,613,525	B2	Nelson et al.	09-02-2003
	6,620,625	B2	Wolk et al.	09-16-2003
	6,632,619	B1	Harrison et al.	10-14-2003
	6,638,482	B1	Ackley et al.	10-28-2003
	6,656,430	B2	Sheppard, Jr. et al.	12-02-2003
	6,669,831	B2	Chow et al.	12-30-2003
	6,709,869	B2	Mian et al.	03-23-2004
	6,716,620	B2	Bashir et al.	04-06-2004
	6,742,661	B1	Schulte et al.	06-01-2004
	6,761,962	B2	Bentsen et al.	07-13-2004
	6,780,584	B1	Edman et al.	08-24-2004
	6,794,197	B1	Indermuhle et al.	09-21-2004
	6,827,095	B2	O'Connor et al.	12-07-2004
	6,828,143	B1	Bard	12-07-2004
	6,830,936	B2	Anderson et al.	12-14-2004
	6,858,185	B1	Kopf-Sill et al.	02-22-2005
	6,878,271	B2	Gilbert et al.	04-12-2005
	6,878,755	B2	Singh et al.	04-12-2005
	6,949,377	B2	Ho	09-27-2005
	6,953,550	B2	Sheppard, Jr. et al.	10-11-2005
	6,989,128	B2	Alajoki et al.	01-24-2006
	7,005,292	B2	Wilding et al.	02-28-2006
	7,015,046	B2	Wohlstadter et al.	03-28-2006
	7,018,830	B2	Wilding et al.	03-28-2006
	7,067,263	B2	Parce et al.	06-27-2006
	7,087,148	B1	Blackburn et al.	08-08-2006
	7,091,048	B2	Parce et al.	08-15-2006
	2002/0019059	A1	Chow et al.	02-14-2002
	2003/0012697	A1	Hahn et al.	01-16-2003
	2003/0082081	A1	Yves et al.	05-01-2003
	2003/0118486	A1	Zhou et al.	06-26-2003
	2003/0138969	A1	Jakobsen et al.	07-24-2003
	2003/0185713	A1	Leonard et al.	10/02/2003
	2003/0207328	A1	Yguerabide et al.	11-06-2003
	2004/0077074	A1	Ackley et al.	04-22-2004
	2004/0115094	A1	Gumbrecht et al.	06-17-2004
	2004/0228771	A1	Zhou et al.	11-18-2004

		Proceedings of uTAS 2004, 8th International Conference on Miniaturized Systems in Chemistry and Life Sciences, September 26-30, Malmo, Sweden, Edited by Thomas Laurell, Johan Nilsson, Klavs Jensen, D. Jed Harrison, Jorg P. Kutter, The Royal Society of Chemistry, pp. 1-135 (2004).	
		International Search Report and Written Opinion for PCT/US2008/005577 mailed April 3, 2009	
		International Search Report and Written Opinion for PCT/US2008/010022, mailed May 6, 2009.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

		2005/0118073	A1	Facer et al.	06-02-2005
		2005/0161669	A1	Jovanovich et al.	07-28-2005
		2005/0221281	A1	Ho	10-06-2005
		2005/0238545	A1	Parce et al.	10-27-2005
		2005/0255003	A1	Summersgill et al.	11-17-2005
		2006/0094119	A1	Ismagilov, et al.	05-04-2006
		2006/0257992	A1	McDevitt et al.	11-16-2006
		2006/0275852	A1	Montagu	12-07-2006
		2008/0085219	A1	Beebe et al.	04-10-2008

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		EP	0 110 771	B1	Eastman Kodak Company	03-30-1988	
		EP	0 281 201		PB Diagnostic Systems, Inc.	09/07/1988	
		EP	0 430 248		Mochida Pharm Co. Ltd.	06/05/1991	
		EP	0 643 307	A1	Centro De Ingenieria Genetica Y Biotechnologia	03-15-1995	
		WO	2002/022250	A2	The University of Sheffield	03-21-2002	
		WO	2003/054513	A2	Radius Biosciences	07-03-2003	
		WO	2004/087951	A3	Clondia Chip Technologies	10-14-2004	
		WO	2005/056186	A1	The Provost Fellows and Scholars of The College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	06-23-2005	
		WO	2005/072858		Harvard College	08/11/2005	
		WO	2006/018044	A1	Agilent Technologies Inc.	02-23-2006	
		WO	2006/056787	A1	Norchip AS	06-01-2006	
		WO	2006/113727	A2	President and Fellows of Harvard College	10-26-2006	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		AHN, C. et al., "Disposable Smart Lab on a Chip for Point-of-Care Clinical Diagnostics", <i>Proceedings of the IEEE</i> , Vol. 92, No. 1, pp. 154-173 (2004).	
		ANDERSSON, et al., "Micromachined flow-through filter-chamber for chemical reactions on beads", <i>Sensors and Actuators</i> , Vol. B67, pp. 203-208 (2000).	
		DARDION, et al., "Chemical sensing using an integrated microfluidic system based on the Berthelot reaction", <i>Sensors and Actuators B</i> , Vol. 76, pp. 235-243 (2001).	
		DODGE, et al., "Electrokinetically Driven Microfluidic Chips with Surface-Modified Chambers for Heterogeneous Immunoassays", <i>Anal. Chem.</i> , Vol. 73, pp. 3400-3409 (2001).	
		GRODZINSKI, P. et al., "A Modular Microfluidic System for Cell Pre-concentration and Genetic Sample Preparation", <i>Biomedical Microdevices</i> , 5:4,303-310 (2003).	
		JUNCKER, et al., "Autonomous Microfluidic Capillary Systems", <i>Anal. Chem.</i> , Vol. 74, pp. 6139- 6144 (2002).	
		MOORTHY, et al., "Microfluidic tectonics platform: A colorimetric, disposable botulinum toxin enzyme-linked immunosorbent assay system", <i>Electrophoresis</i> , Vol. 25, pp. 1705-1713 (2004).	
		SIA, S., et al., "An Integrated Approach to a Portable and Low-Cost Immunoassay for Resource- Poor Settings", <i>Angew. Chem. Int. Ed.</i> , Vol. 43, pp. 498-502 (2004).	
		SIA, S., et al., "Microfluidic devices fabricated in poly(dimethylsiloxane) for biological studies", <i>Electrophoresis</i> , Vol. 24, pp. 3563-3576 (2003).	
		WEIGLE, et al., "Lab-on-a-chip for drug development", <i>Advanced Drug Delivery Reviews</i> , Vol. 55, pp. 349-377 (2003).	